

NHDES

**State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES**

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-2457 FAX (603) 271-7894



September 10, 2003
Letter of Deficiency
DSP#03-047

Mr. Robert Green
Green Woodlands LLC
P.O. Box 330
Lyme, NH 03768

RE: Cummins Pond Dam #066.02, Dorchester

Dear Mr. Green

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on July 8, 2003. During this visual inspection and/or file review, the following deficiencies were observed:

- The downstream embankments of the dam were overgrown with brush and trees. There was brush and trees within 10 feet of the toe of the dam;
2. The crest of the left embankment was settled and uneven and was measured as at least 2 feet below the top of the spillway abutments;
 3. There were two areas of seepage noted at the toe of the dam to the left of the spillway, one at 30 feet and the other at 35 feet from the spillway;
 4. There was leakage noted at the toe of both right and left masonry spillway discharge channel walls. The leakage was clear and no sinkholes were observed on the crest of the dam in the vicinity of the walls. This leakage has been noted in past inspections dating back to the 1970's; and
 5. One emergency spillway channel and a low area southeast of the main dam were noted during the inspection. The spillway channel should be kept clear of brush and debris.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

December 2003:

1. Remove trees and brush from the downstream embankments of the and within 10 feet of the toe of the dam;
2. Maintain the emergency spillway channel southeast of the main dam clear of brush and debris
3. Demonstrate that the services of an engineer have been obtained to rectify the following noted deficiencies:

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Dam #066.02 /DSP#03-047
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- a. Regrade and vegetate the crest of the left embankment that was settled and is uneven;
- b. Remediate the two areas of seepage noted at the toe of the dam to the left of the spillway, one at 30 feet and the other at 35 feet from the spillway;
- c. Remediate the leakage noted at the toe of both right and left masonry spillway discharge channel walls;

December 2004:

4. Complete repairs noted in item 3 above

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Please call or write to our office if the repairs are completed ahead of the aforementioned schedule so that DES may schedule a follow-up inspection. Unless notified otherwise, DES will conduct the follow-up inspection on or after the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. Please call or write to our office if the repairs are completed before the aforementioned schedule. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at 29 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095.

Sincerely,

COPY

Grace E. Levergood, P.E.
Dam Safety Engineer

Attachments: Fact Sheet DB8, DB13

cc: Gretchen Rule ✓

Town of Dorchester

Certified # 7000 1670 0000 0586 2497

GEL/was/h:/safety/wendy/lod/066-02lod.doc

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Intent to Complete Repairs

DAM#066.02/DSP#03-047

DAM Cummins Pond Dam

Department of Environmental Services
State Dam Safety Program
Water Division, Dam Bureau
6 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

RE: Letter of Deficiency: Issued on September 10, 2003

Dear Dam Safety Program:

In response to the above referenced Letter of Deficiency (LOD), I concur with the Department of Environmental Service's recommendations, and specifically agree to complete the following items by the indicated schedule.

DATE: December 2003

1. Remove trees and brush from the downstream embankments of the and within 10 feet of the toe of the dam;
2. Maintain the emergency spillway channel southeast of the main dam clear of brush and debris;
3. Demonstrate that the services of an engineer have been obtained to rectify the following noted deficiencies:
 - a. Regrade and vegetate the crest of the left embankment that was settled and is uneven;
 - b. Remediate the two areas of seepage noted at the toe of the dam to the left of the spillway, one at 30 feet and the other at 35 feet from the spillway;
 - c. Remediate the leakage noted at the toe of both right and left masonry spillway discharge channel walls;

DATE: December 2004

4. Complete repairs noted in item 3 above.

In lieu of the above, you may propose adjustments to the content or schedule associated with the requested repairs/work. (please state reasons for proposal and use reverse side if more space is needed).

Signature of Owner: _____

_____ (print name)

Date: _____

ENG-: GEL